

**THE OHIO DEPARTMENT OF HEALTH
HUMAN SUBJECTS INSTITUTIONAL REVIEW BOARD
FWA00001963
IRB00002180**

**ACTION OF THE REVIEW BOARD
(CERTIFICATION)**

With regard to the employment of human subjects in the proposed research entitled:

“An Epidemiologic Health Study of Manganese Exposure in Adult Residents of
East Liverpool, Ohio”

CDC of HHS Federal Project Number (if any):

Principal Investigator: Rosemarie Bowler, Ph.D.

Agency: San Francisco State University

Division:

The Institutional Review Board has taken the following action:

- | | | | | | |
|--------------------------|-------------|-------------------------------------|-------------------|-------------------------------------|---------------------------|
| <input type="checkbox"/> | Approved | <input type="checkbox"/> | Expedited Review | <input type="checkbox"/> | Waiver of Written Consent |
| <input type="checkbox"/> | Disapproved | <input checked="" type="checkbox"/> | Full Board Review | <input checked="" type="checkbox"/> | Exempt |
| <input type="checkbox"/> | Tabled | | | | |

Requirements:

Recommendations:

It is the responsibility of the principal investigator to retain a copy of each signed consent form for at least three (3) years beyond the termination of the subject's participation in the proposed activity. **This application has been approved for the period of one (1) year.** No procedural changes may be made without prior review and approval. You are reminded that the identity of the research participants must be kept confidential.

Date: 8/25/2011

Signed: 

CC: Investigator, Division Chief/Bureau Chief



OHIO DEPARTMENT OF HEALTH

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Columbus, Ohio 43215

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John R. Kasich / Governor

Theodore E. Wymyslo, M.D. / Director of Health

August 25, 2011

Rosemarie Bowler, Ph.D.
San Francisco State University
8371 Kent Drive
El Cerrito, CA 94530

Dear Dr. Bowler:

Thank you for sharing your Project Protocol, An Epidemiologic Health Study of Manganese Exposure in Adult Residents of East Liverpool, Ohio with the Ohio Department of Health, Institutional Review Board.

Upon review, the IRB members determined that your protocol is not subject to ODH IRB review. The Ohio Department of Health has no jurisdiction on the proposal submitted.

Good luck in your study.

Sincerely,

A handwritten signature in black ink that reads "William McHugh". The signature is written in a cursive, flowing style.

William McHugh, D.M., Chairman
Institutional Review Board

Cc: Greg Stein